

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE SIGNAL MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 222 AND CHESAPEAKE OVERLOOK PKWY IN CECIL COUNTY. MD 222 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA EIGHT-PHASE, FULLY-TRAFFIC-ACTUATED MODE. THERE IS EXCLUSIVE/PERMISSIVE LEFT TURN PHASING FOR BOTH THE NORTH AND SOUTH APPROACHES OF MD 222. MD 222 THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY. CHESAPEAKE OVERLOOK PKWY IS BEING UPGRADED TO PROVIDE EXCLUSIVE/PERMISSIVE PHASING FROM BOTH THE EAST AND WEST APPROACHES. CHESAPEAKE OVERLOOK PKWY THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY.

EQUIPMENT LIST FOR CONTRACT NO. XX6615185

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMISTRATION

ITEM	QUANTITY	UNIT	DESCRIPTION
9570	18	SF	[UPDATED] SHEET ALUMINUM GROUND MOUNTED SIGN
	1	EA	R4-7 (24"X30")
	1	EA	R5-1 (30"X30")
	1	EA	R6-1L (12"X36")
	1	EA	R6-1R (12"X36")
9571	68	SF	[UPDATED] SHEET ALUMINUM MAST ARM /POLE MOUNTED SIGN
	2	EA	M1-5(6) (30"X48" SHIELD ASSEMBLY) (POLE MOUNTED)
	2	EA	M1-5(6) (48"X72" SHIELD ASSEMBLY) (POLE MOUNTED)

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
2002	4	CY	TEST PIT EXCAVATION
8001	12	EA	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8004	6	EA	8 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8011	1	EA	CONDUIT BEND IN EXISTING FOUNDATION BASE (ANY SIZE)
8023	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8036	160	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED
8042	180	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8046	1	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8038	20	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8039	45	LF	WOOD SIGN SUPPORTS UP TO 4" X 6"
8040	86	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8056	400	LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

CONTACTS

Mr. Jeffery Wentz
Assistant District Engineer - Traffic
Phone: (410) 810-3240

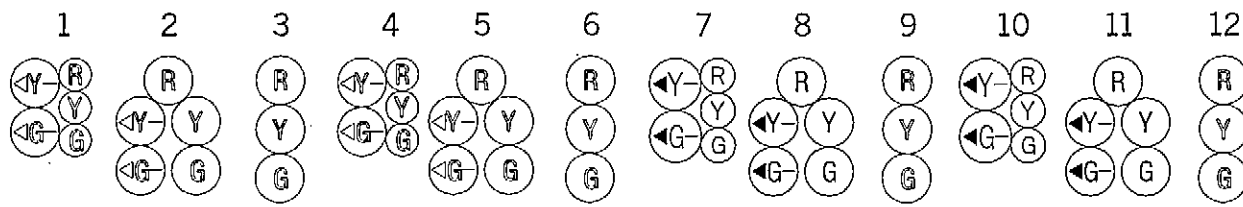
Mr. Michael Lewis
Assistant District Engineer - Maintenance
Phone: (410) 810-3250

Mr. Barry Clothier
Utility Engineer
Phone: (410) 810-3275

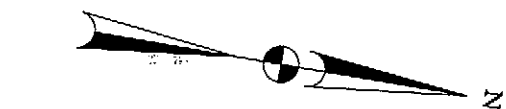
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Ed Rodenhizer
Supervisor, Signal Operations
Phone: (410) 787-7650

PHASE CHART

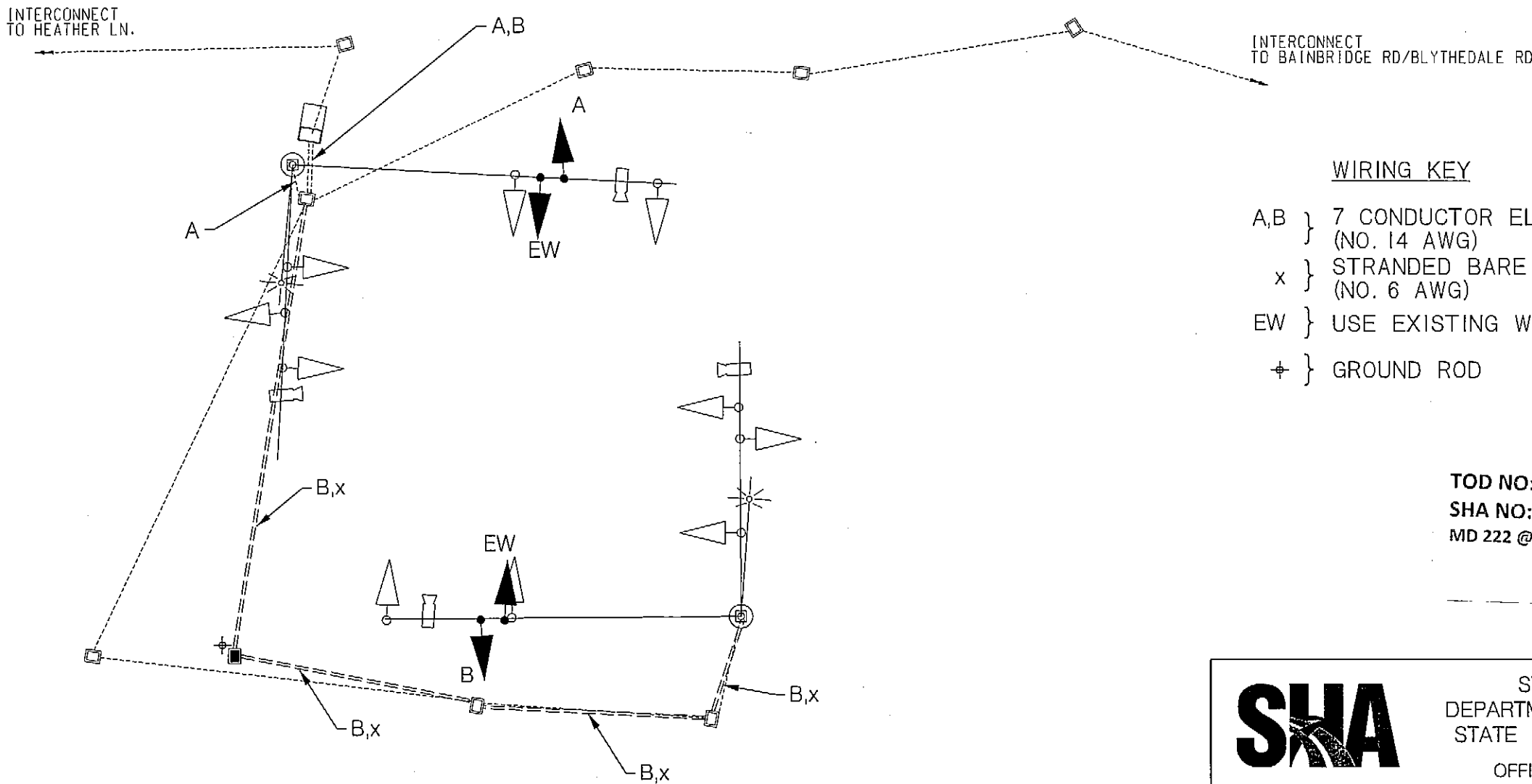


PHASE 1 AND 5	←G/R	←G/R	R	←G/R	←G/R	R	R	R	R	R	R	R
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6												
PHASE 1 AND 6	←G/G	←G/G	G	R	R	R	R	R	R	R	R	R
1 AND 6 CHANGE	←Y/G	←Y/G	G	R	R	R	R	R	R	R	R	R
PHASE 2 AND 5	R	R	R	←G/G	←G/G	G	R	R	R	R	R	R
5 CHANGE	R	R	R	←Y/G	←Y/G	G	R	R	R	R	R	R
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R
PHASE 3 AND 7	R	R	R	R	R	R	←G/R	←G/R	R	←G/R	←G/R	R
3 AND 7 CHANGE TO 3 AND 8, 4 AND 7, OR 4 AND 8												
PHASE 3 AND 8	R	R	R	R	R	R	R	R	R	←G/G	←G/G	G
3 AND 8 CHANGE	R	R	R	R	R	R	R	R	R	←Y/G	←Y/G	G
PHASE 4 AND 7	R	R	R	R	R	R	←G/G	←G/G	G	R	R	R
7 CHANGE	R	R	R	R	R	R	←Y/G	←Y/G	G	R	R	R
PHASE 4 AND 8	R	R	R	R	R	R	G	G	G	G	G	G
4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R



MD 222 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION

WIRING DIAGRAM



WIRING KEY

- A,B } 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- x } STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
- EW } USE EXISTING WIRE
- + } GROUND ROD

TOD NO: XX661-29
SHA NO: CE401B5A
MD 222 @ Chesapeake Overlook Parkway



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 222 (BAINBRIDGE RD) AT
CHESAPEAKE OVERLOOK PKWY
PERRYVILLE, MD

GENERAL INFORMATION PLAN SHEET

SCALE NONE ADVERTISED DATE 08/2012 CONTRACT NO. XX6615185

DESIGNED BY DM COUNTY CECIL
DRAWN BY DM LOGMILE 07022202.06
CHECKED BY RM TMS NO. L338
F.A.P. NO. TOD NO.

TS NO. 3494E DRAWING GN-1 OF 1 SHEET NO. 2 OF 2



BRUDIS & ASSOCIATES, INC.
Consulting Engineers
8240 Rumsey Road, Suite C
Columbia, Maryland 21045
Phone: 410-354-9807
www.brudis.com

PLOTTED: Thursday, August 02, 2012 AT 04:07 PM
FILE: P:\09-002 TEDD\Task 84 MD 222 & Chesapeake\Drawings\CADD\Working\pGG-P003_MD222@Chesapeake.dgn

BY: davidma